Amendments to the Claims:

This amendment is being submitted in "revised format" wherein two versions of amended parts are no longer required. Changes are shown by underlining (for added matter) and strikethrough (for deleted matter). This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claim 12 (currently amended): A method ~~for~~ of screening for agents that sequester AR-NOX, comprising:

(a) incubating AR-NOX with a test agent for a time sufficient to allow the test agent to bind AR-NOX; and

(b) detecting the presence of a complex comprising AR-NOX and the test ~~compound~~ agent.

Claim 13 (original): The method of claim 12 wherein the test agent is detectably labeled by a dye, an enzyme, an isotope, a fluorescent group, or a luminescent group.

Claim 14 (previously amended): The method of claim 12 wherein said method further comprises incubating AR-NOX with a component that is known to interact with AR-NOX.

Claim 15 (previously amended): The method of claim 14 wherein said component that is known to interact with AR-NOX is ubiquinone.

Claim 16 (original): The method of claim 12 wherein the method of screening takes place within a cell.

Claim 17 (previously amended): A method of screening for agents that sequester AR-NOX comprising:

(a) incubating AR-NOX with a test agent, cytochrome c, and a substrate that generates reactive oxygen species, for a time sufficient for cytochrome c reduction; and

(b) detecting the presence of reduced cytochrome c, in the presence or absence of the test agent.

Claim 18 (previously amended): The method of claim 17 wherein the substrate that generates reactive oxygen species is superoxide dismutase.

Claim 19 (currently amended): The method of claim 17 wherein ~~the detection of cytochrome c is measured by~~ said detecting step comprises comparing spectrophotometric absorbance at about 540 nm to 550 nm in the presence of said test agent to the spectrophotometric absorbance at about 540 nm to 550 nm in the absence of said test agent.

Claim 20 (previously amended): A method of screening for agents that sequester AR-NOX comprising:

(a) incubating AR-NOX with a test agent and a substrate, wherein said substrate is reduced by AR-NOX, for a time sufficient for AR-NOX to reduce said substrate; and

(b) detecting the presence of reduced substrate in the presence or absence of the test agent.

Claim 21 (previously amended): The method of claim 20 wherein the substrate reduced by AR-NOX is an ascorbate radical.

Claim 22 (currently amended): The method of claim 21 wherein ~~the detection of ascorbate radical is measured by~~ said detecting step comprises comparing spectrophotometric absorbance at about 265 nm in the presence of said test agent to the spectrophotometric absorbance at about 265 nm in the absence of said test agent.

Claim 23 (previously amended): The method of claim 20 wherein the substrate reduced by AR-NOX is NAD^+.

Claim 24 (currently amended): A method of screening for agents that sequester AR-NOX comprising

(a) incubating AR-NOX with a test agent and a substrate, wherein said substrate undergoes disulfide-thiol interchange ~~activity~~ in the presence of AR-NOX, for a time sufficient for AR-NOX to reduce said substrate; and

(b) detecting the presence of disulfide-thiol interchange in the substrate in the presence or absence of the test agent.